



UT240-313 Shown Above

MANUAL PART NUMBER: 400-0491-002

UT SERIES

UNDER THE TABLE INTERCONNECT SOLUTIONS FOR AUDIOVISUAL SIGNALS USER'S GUIDE

UNDER TABLE SOLUTIONS

TABLE OF CONTENTS

| | Page |
|--|------|
| PRECAUTIONS / SAFETY WARNINGS..... | 2 |
| GENERAL..... | 2 |
| HANDLING | 2 |
| CLEANING..... | 2 |
| FCC NOTICE | 2 |
| ABOUT YOUR UT-SERIES..... | 3 |
| TECHNICAL SPECIFICATIONS..... | 3 |
| PRODUCT DESCRIPTION | 4 |
| APPLICATION DIAGRAMS..... | 5 |
| DIAGRAM 1: TYPICAL SETUP | 5 |
| DIAGRAM 2: UT240-310 US/CANADA..... | 6 |
| DIAGRAM 3: UT240-311 US/CANADA..... | 6 |
| DIAGRAM 4: UT240-312 US/CANADA..... | 7 |
| DIAGRAM 5: UT240-313 US/CANADA..... | 7 |
| DIAGRAM 6: UT240-410 EUROPE | 8 |
| DIAGRAM 7: UT240-411 EUROPE | 8 |
| DIAGRAM 8: UT240-450 ENGLAND | 9 |
| DIAGRAM 9: UT240-451 ENGLAND | 9 |
| DIAGRAM 10: UT240-510 AUSTRALIA..... | 10 |
| DIAGRAM 11: UT240-511 AUSTRALIA..... | 10 |
| DIAGRAM 12: UT240-550 UNIVERSAL | 11 |
| DIAGRAM 13: UT240-551 UNIVERSAL | 11 |
| DIAGRAM 14: CIRCUIT BREAKER..... | 12 |
| INSTALLING YOUR UT-SERIES..... | 13 |
| OPERATION..... | 14 |
| CIRCUIT BREAKER RESET | 14 |
| TROUBLESHOOTING GUIDE..... | 14 |
| ALTINEX POLICIES | 14 |
| LIMITED WARRANTY/RETURN POLICIES | 14 |
| CONTACT INFORMATION | 14 |

This manual covers the following ALTINEX Under-the-Table (UT) models:

- UT240-310 AV Connect**
(2xVGA, 2xAudio, 4x Net, 2xPwr)
- UT240-311 IT Connect**
(4x Net, 2xPwr)
- UT240-312 IT Connect**
(4x Net, 4xPwr)
- UT240-313 AV Connect**
(2xVGA, 2xDVI, 2xAud, 4x Net, 2xPwr)
- UT240-410 IT Connect Europe**
(4x Net, 4xPwr, 1xCircuitBreaker)
- UT240-411 AV Connect Europe**
(2xVGA, 2xAudio, 4x Net, 2xPwr)
- UT240-450 IT Connect England**
(4x Net, 4xPwr, 1xCircuitBreaker)
- UT240-451 AV Connect England**
(2xVGA, 2xAudio, 4x Net, 2xPwr)
- UT240-510 IT Connect Australia**
(4x Net, 4xPwr, 1xCircuitBreaker)
- UT240-511 AV Connect Australia**
(2xVGA, 2xAudio, 4x Net, 2xPwr)
- UT240-550 IT Connect Universal**
(4x Net, 4xPwr, 1xCircuitBreaker)
- UT240-551 AV Connect Universal**
(2xVGA, 2xAudio, 4x Net, 2xPwr)

UNDER TABLE SOLUTIONS

PRECAUTIONS / SAFETY WARNINGS 1

Please read this manual carefully before using your **UT-SERIES** Interconnect. Keep this manual handy for future reference. These safety instructions are to ensure the long life of your **UT-SERIES** Interconnect and to prevent fire and shock hazards. Please read them carefully and heed all warnings.

1.1 GENERAL

- There are no user serviceable parts inside. Qualified ALTINEX service personnel must perform all service on the **UT-SERIES**.

1.2 HANDLING

- For best results, place the **UT-SERIES** on a flat, leveled surface in a dry area away from dust and moisture.
- To prevent fire or shock, do not expose this unit to water or moisture. Do not place the **UT-SERIES** in direct sunlight, near heaters, or heat-radiating appliances, or near any liquid. Exposure to direct sunlight, smoke, or steam can harm internal components.
- Handle the **UT-SERIES** carefully. Dropping or jarring can damage the unit.
- Do not pull any cables that are attached to the **UT-SERIES**.
- Do not place heavy objects on top of the **UT-SERIES**.

1.3 CLEANING

- Unplug the **UT-SERIES** before cleaning.
- Clean only with a dry cloth. Never use strong detergents or solvents such as alcohol or thinner. Do not use a wet cloth or water to clean the unit. Do not open the unit to clean.

1.4 FCC NOTICE

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with instructions found herein, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
- Any changes or modifications to the unit not expressly approved by ALTINEX, Inc. could void the user's authority to operate the equipment.

UNDER TABLE SOLUTIONS

ABOUT YOUR UT-SERIES

2

UT-SERIES

Under-the-Table AV Interconnects

The ALTINEX **UT-Series** of Under-the-Table AV Interconnects provide a wide variety of options for routing computer audiovisual signals, network connections, and AC power. Under-the-table options are ideal for situations where it is too expensive or impractical to install the routing interface directly into the furniture.

UT-Series Interconnects are available in both US and international versions. The US versions provide standard NEMA 5-15R receptacles. International versions include AC receptacles for Europe, England, and Australia. Additionally, the **UT240-550** and **UT240-551** include universal AC receptacles that accept various types of AC plugs.

US and international models **UT240-312**, **UT240-410**, **UT240-450**, **UT240-510**, and **UT240-550** also include a push-to-reset 15A circuit breaker for added protection.

TECHNICAL SPECIFICATIONS

3

Specifications are subject to change.

See www.altinex.com for up-to-date information.

| FEATURES/ DESCRIPTION | TM-SERIES |
|---|--|
| PASS-THROUGH CONNECTIONS | |
| UT240-311 (US) | CAT-6 (RJ-45) female (4) AC receptacle (2) |
| UT240-313 (US) | 15-pin HD female (2) 24-pin DVI female (2) 3.5mm stereo (2) CAT-6 (RJ-45) female (4) AC receptacle (2) |
| UT240-310 (US) UT240-411 (Europe) UT240-451 (England) UT240-511 (Australia) UT240-551 (universal) | 15-pin HD female (2) CAT-6 (RJ-45) female (4) 3.5mm stereo (2) AC receptacle (2) |
| UT240-312 (US) UT240-410 (Europe) UT240-450 (England) UT240-510 (Australia) UT240-550 (universal) | CAT-6 (RJ-45) female (4) AC receptacle (4) 15A Circuit Breaker (1) |

Table 1. **TM-SERIES** General

| MECHANICAL | TM-SERIES |
|--------------|--|
| Dimensions | See drawings in the Diagrams section for dimensions. |
| T° Operating | 10°C-35°C |
| T° Maximum | 50°C |
| Humidity | 90% non-condensing |

Table 2. **TM-SERIES** Mechanical

| ELECTRICAL | TM-SERIES |
|----------------------|---|
| Pass-Through Signals | All standard audio, video, network, and modem signals are acceptable. |
| Pass-Through AC | 600W max. |

Table 3. **TM-SERIES** Electrical

UNDER TABLE SOLUTIONS

PRODUCT DESCRIPTION

4

The **UT240 Series** offers different connector options for varying degrees of functionality. The **UT240-310** and **UT240-312** are available with AC receptacles for different regions including Europe, England, and Australia, as well as a universal connector option. See the Diagrams section for options and details.

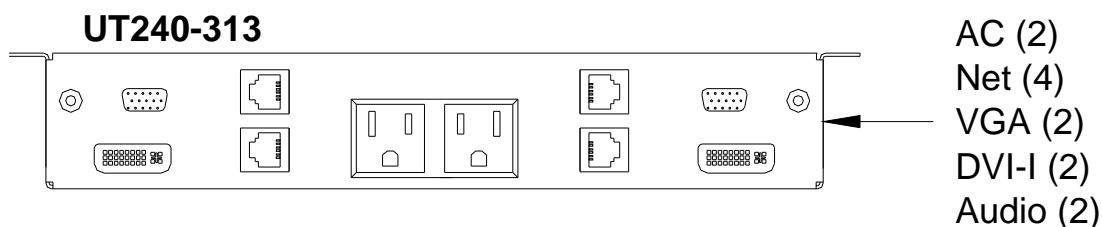
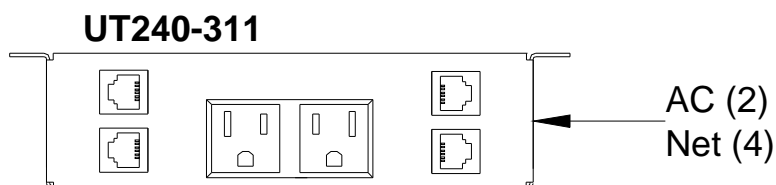
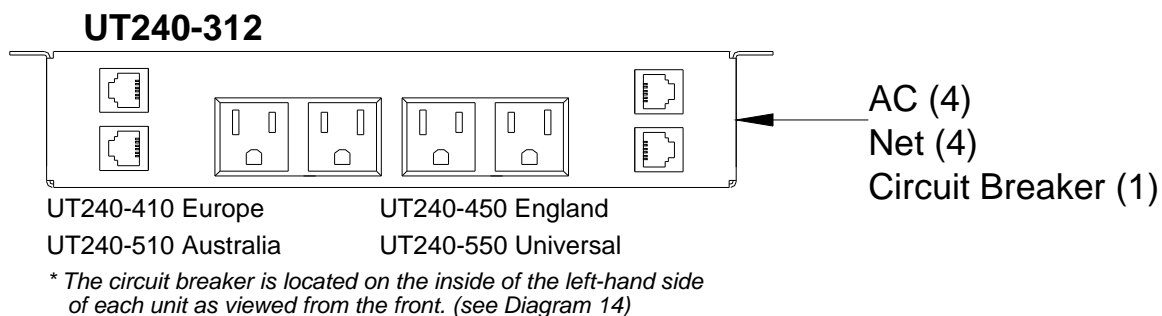
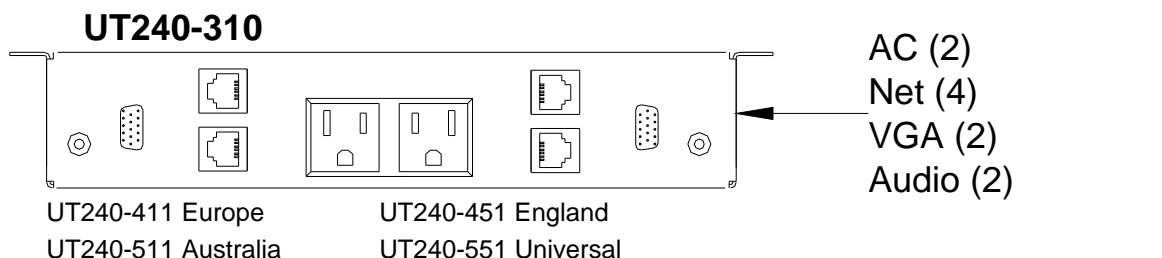
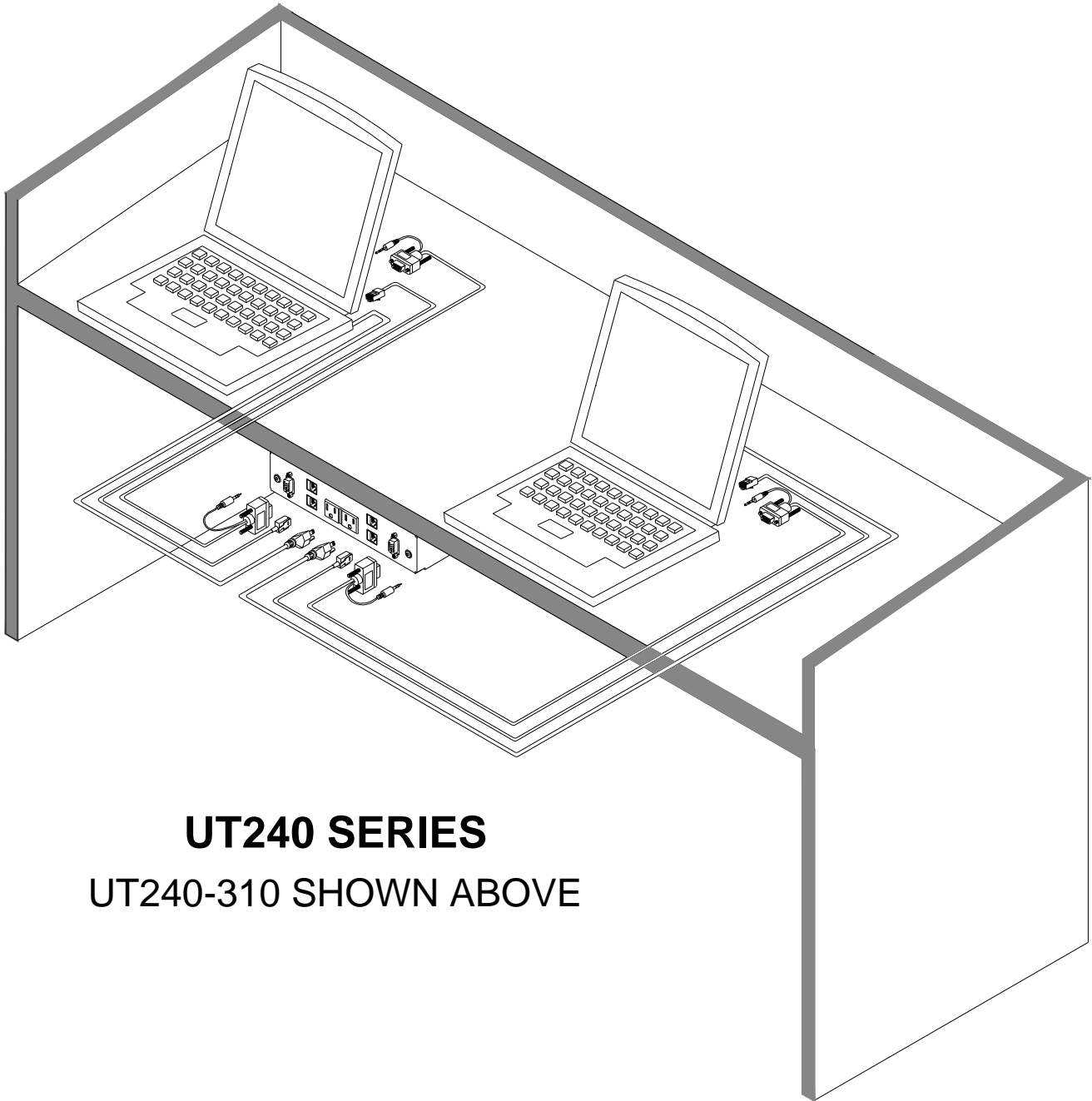


DIAGRAM 1: TYPICAL SETUP



UT240 SERIES

UT240-310 SHOWN ABOVE

UNDER TABLE SOLUTIONS

DIAGRAM 2: UT240-310 US/CANADA

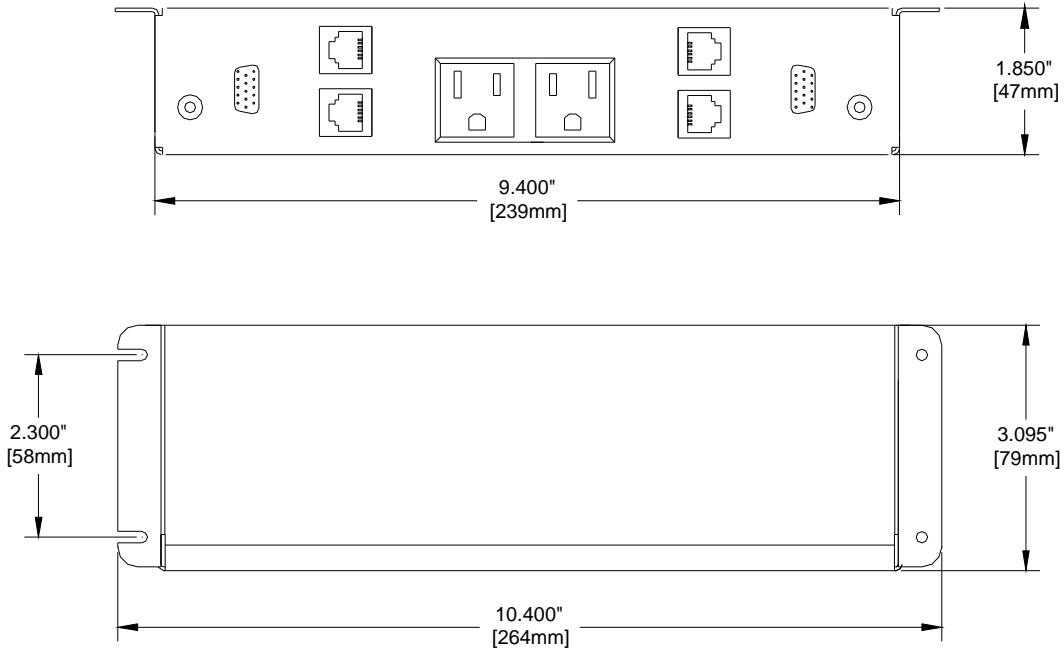
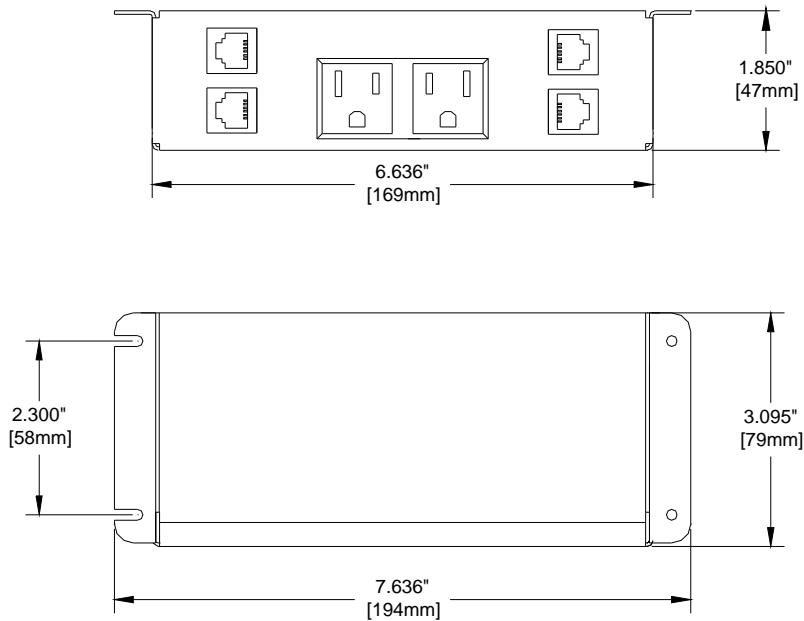


DIAGRAM 3: UT240-311 US/CANADA



UNDER TABLE SOLUTIONS

DIAGRAM 4: UT240-312 US/CANADA

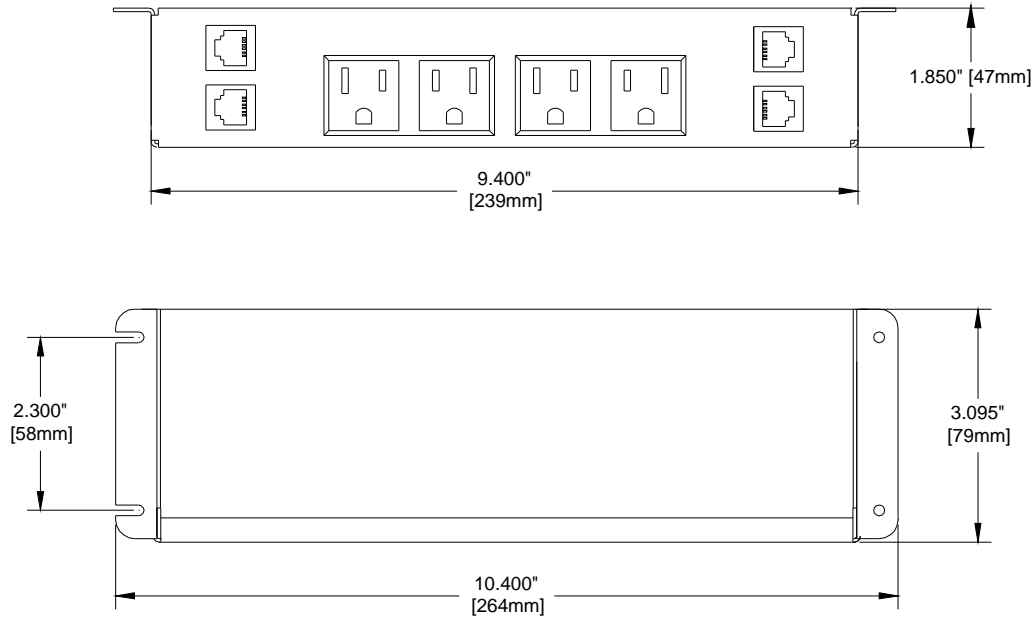
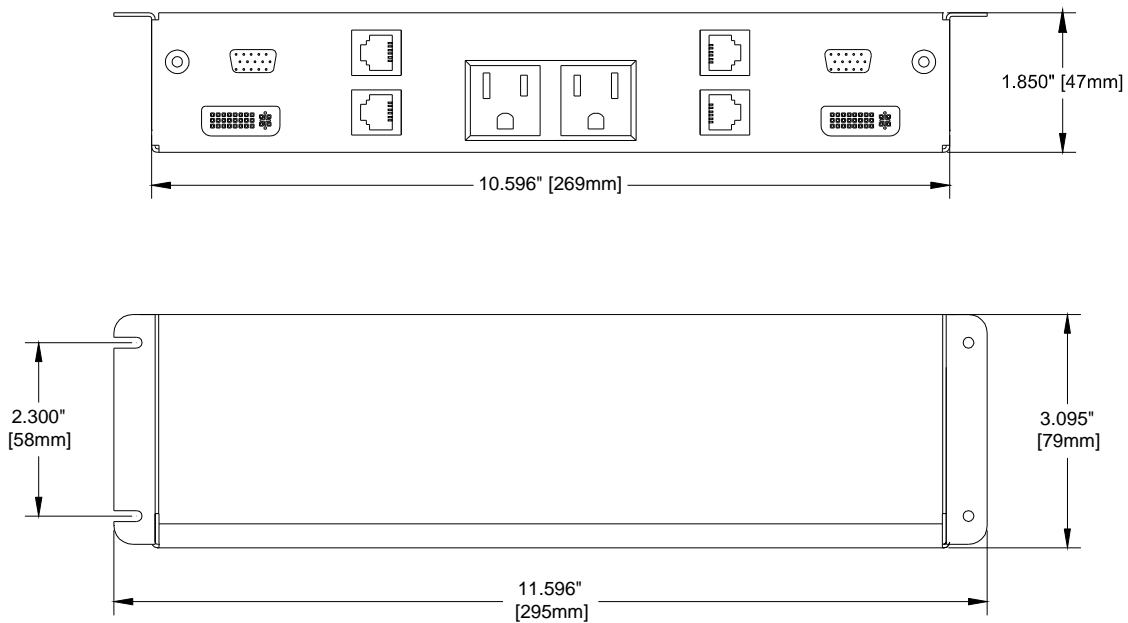


DIAGRAM 5: UT240-313 US/CANADA



UNDER TABLE SOLUTIONS

DIAGRAM 6: UT240-410 EUROPE

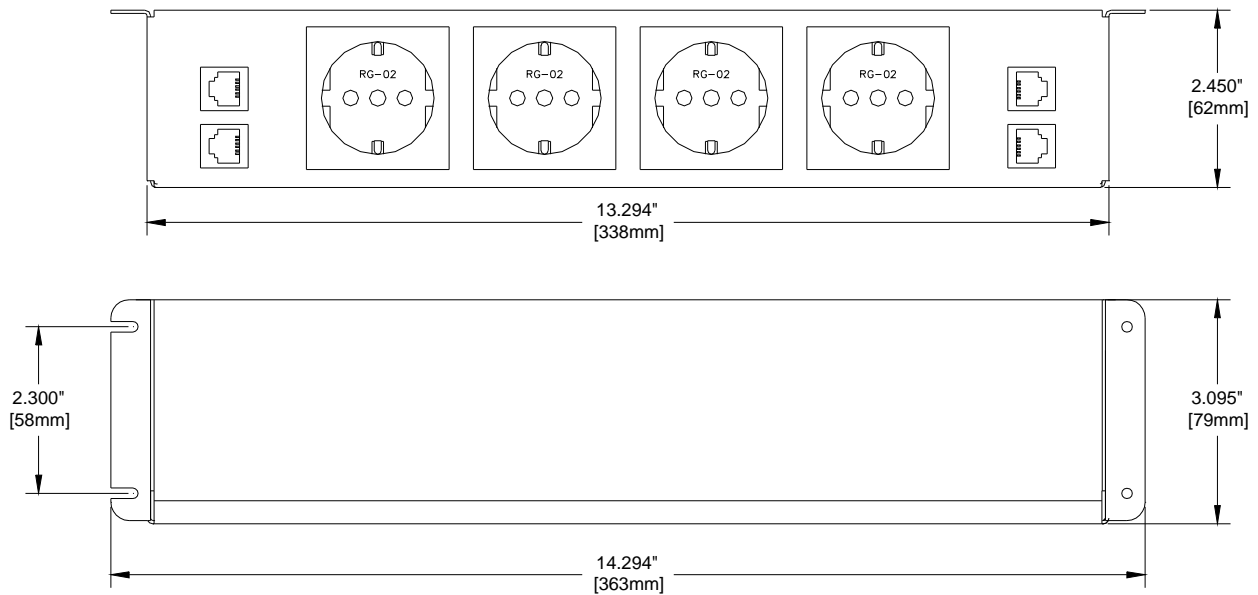
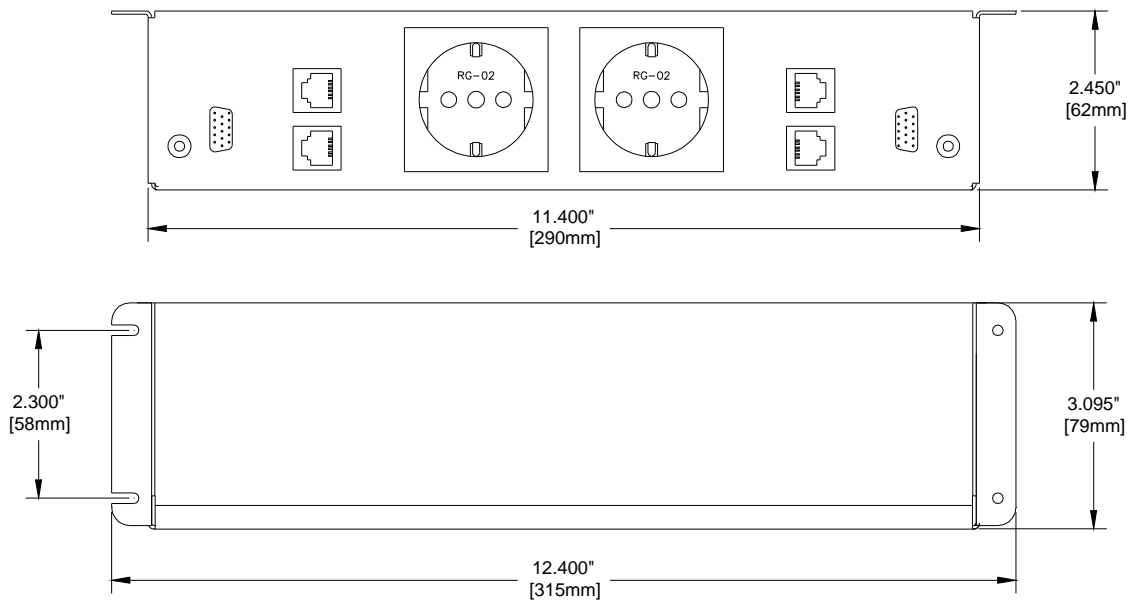


DIAGRAM 7: UT240-411 EUROPE



UNDER TABLE SOLUTIONS

DIAGRAM 8: UT240-450 ENGLAND

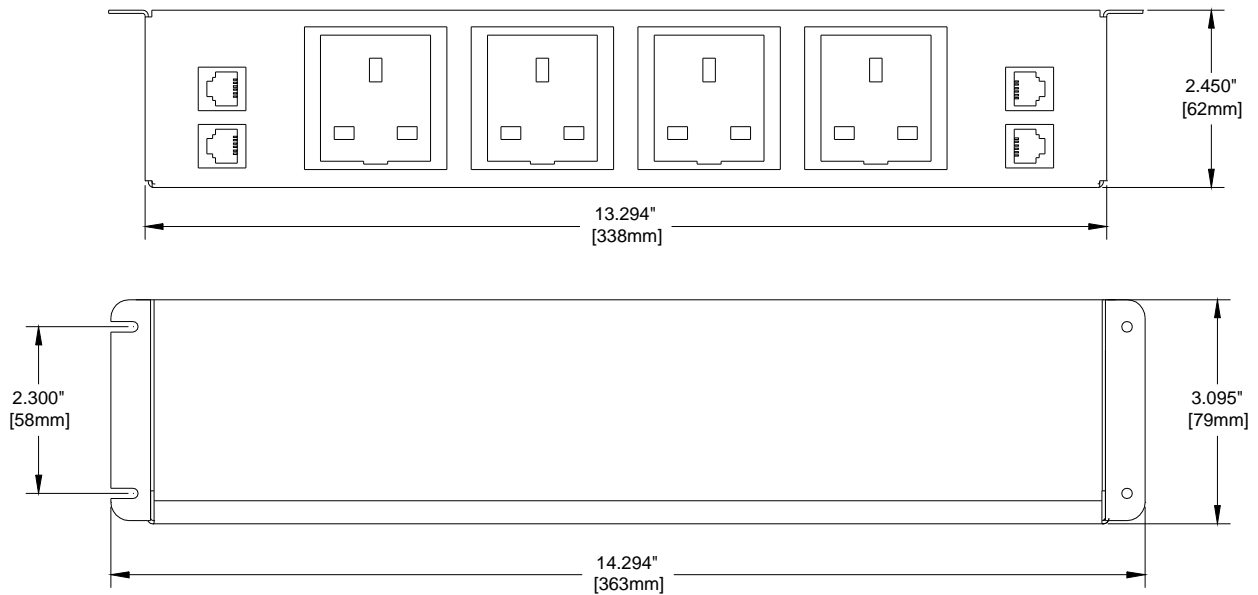
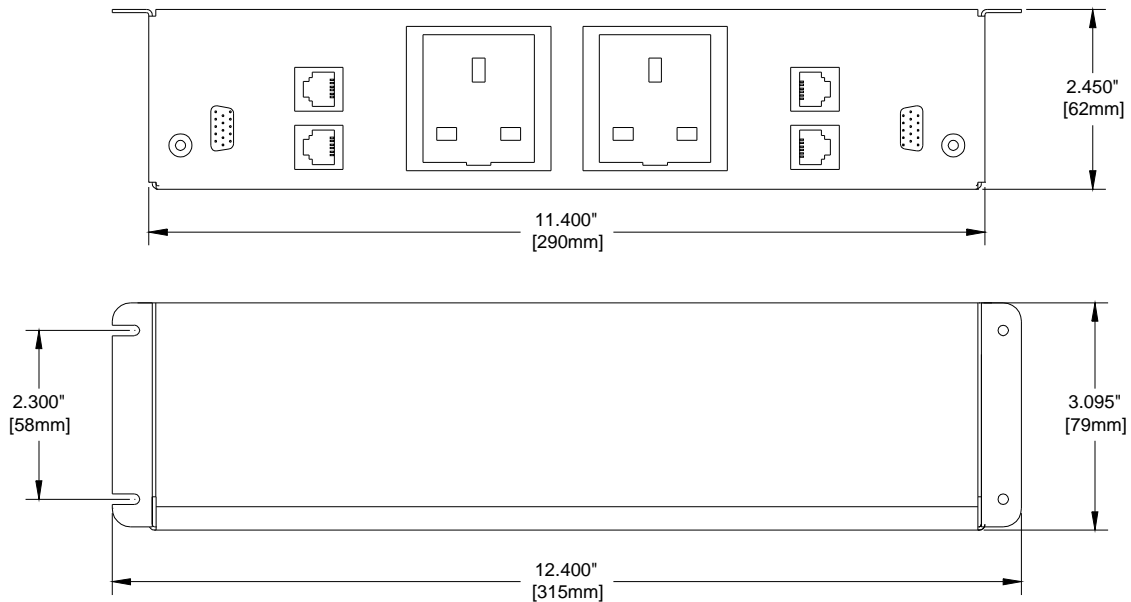


DIAGRAM 9: UT240-451 ENGLAND



UNDER TABLE SOLUTIONS

DIAGRAM 10: UT240-510 AUSTRALIA

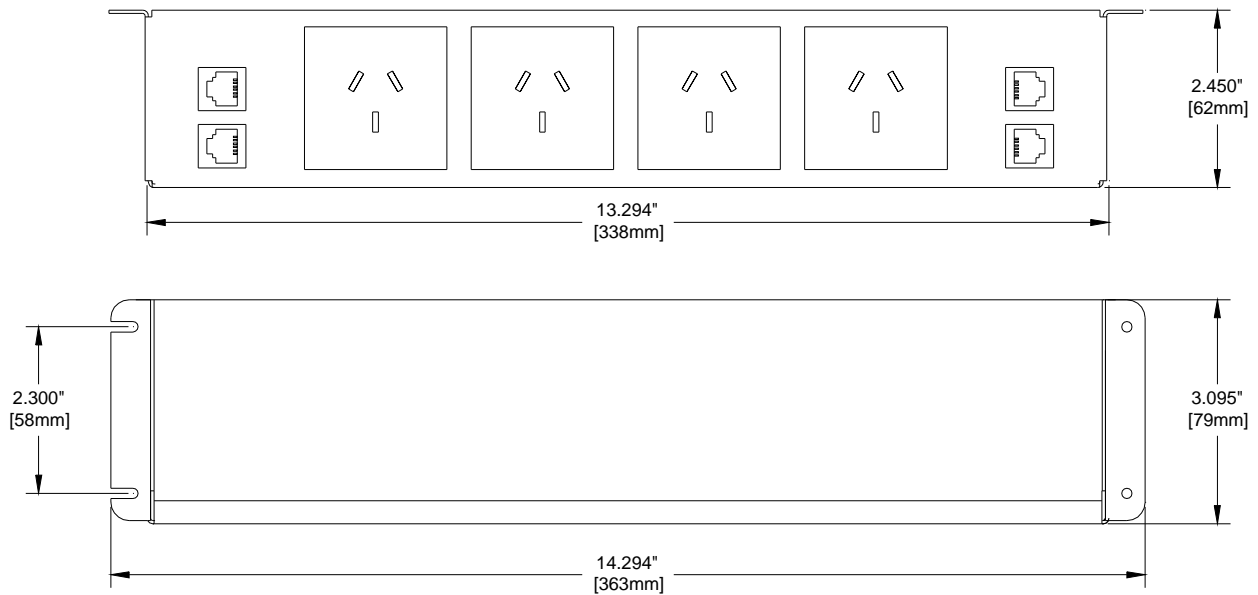
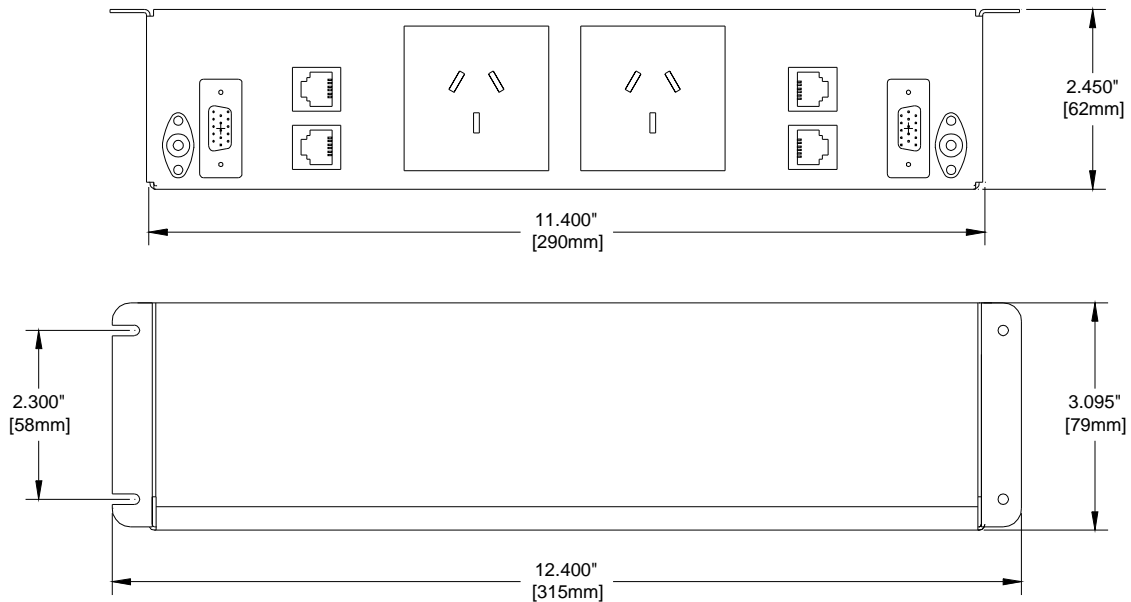


DIAGRAM 11: UT240-511 AUSTRALIA



UNDER TABLE SOLUTIONS

DIAGRAM 12: UT240-550 UNIVERSAL

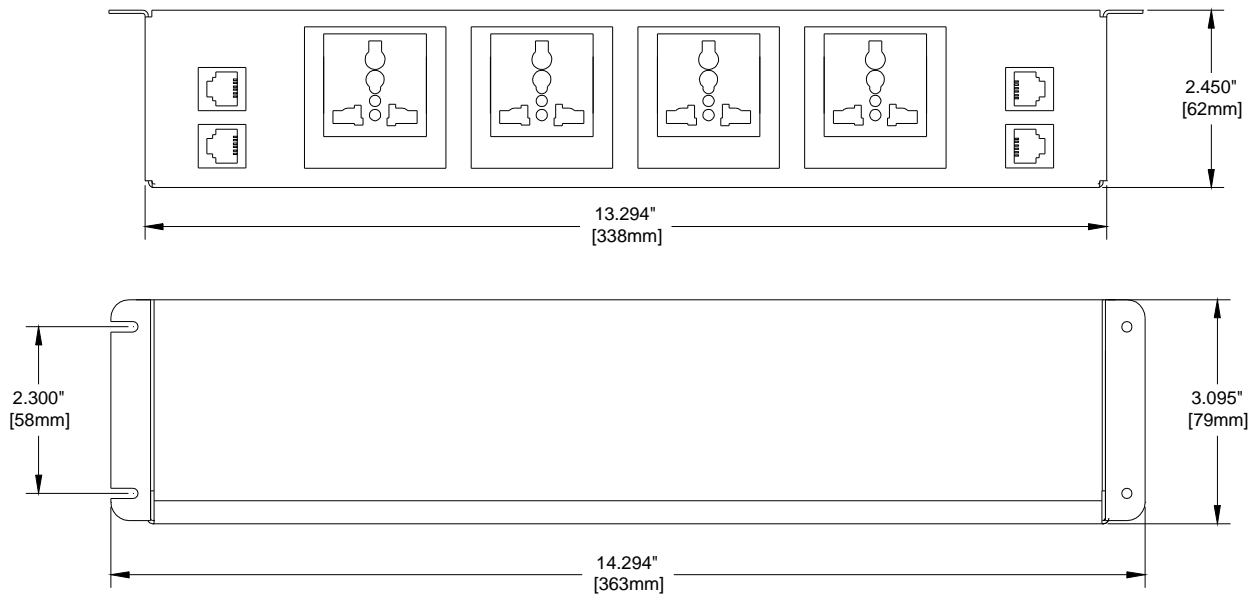
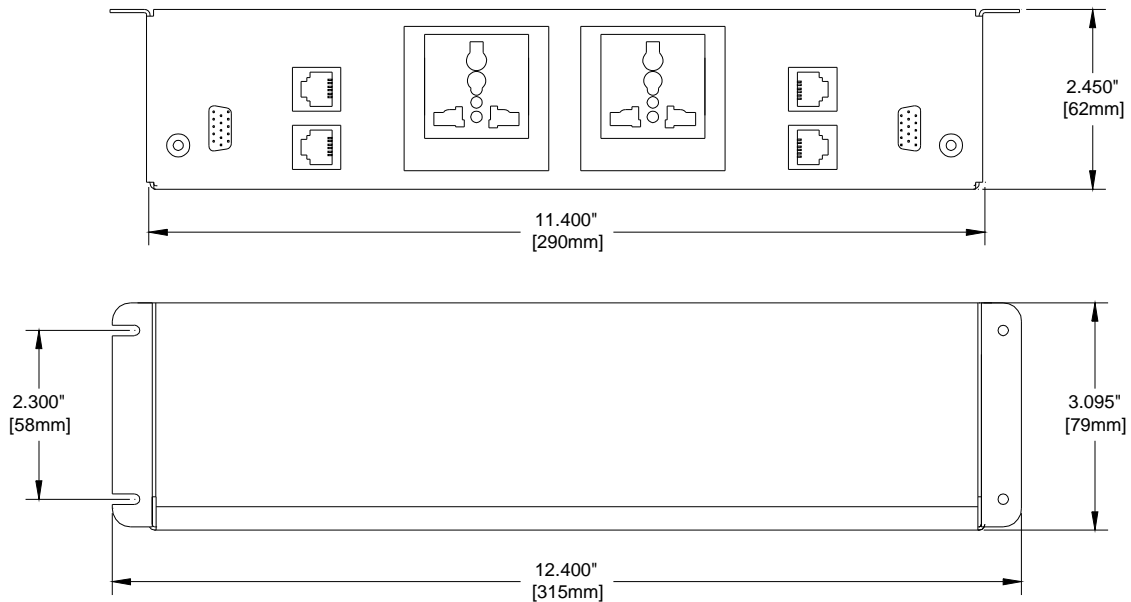


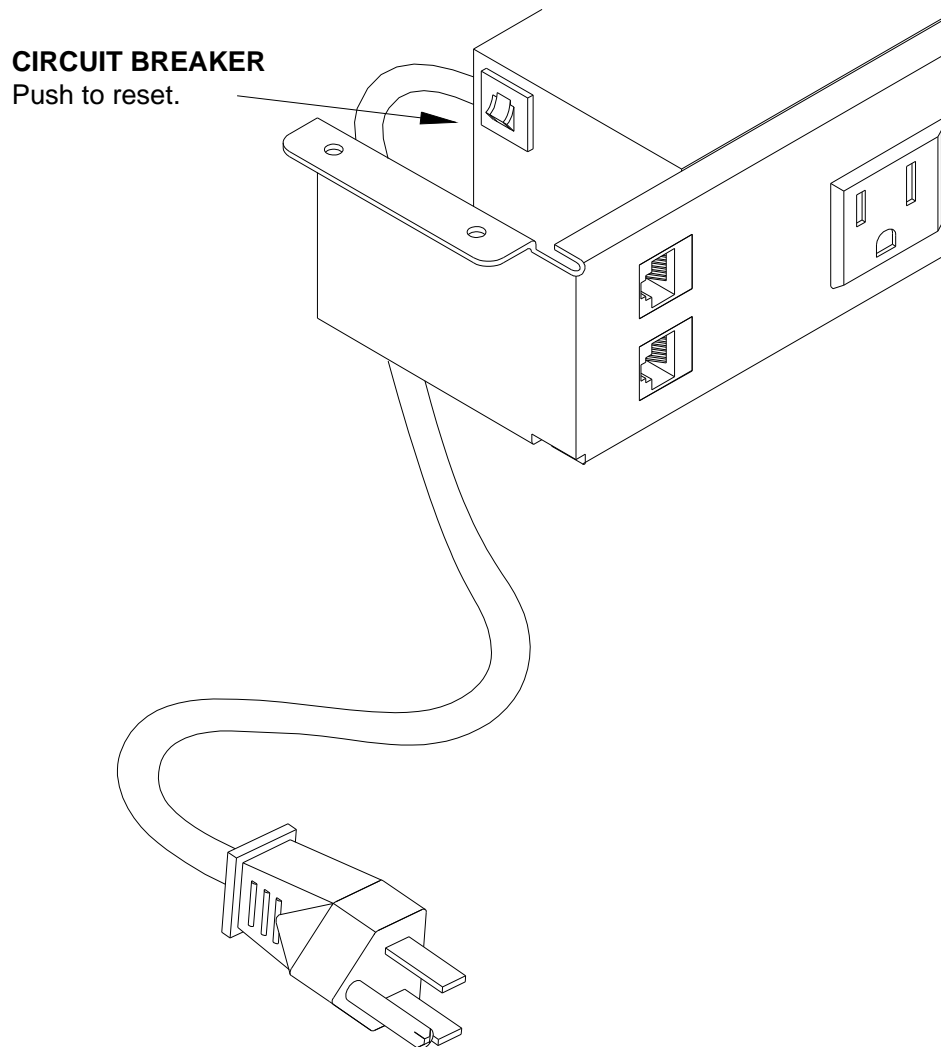
DIAGRAM 13: UT240-551 UNIVERSAL



UNDER TABLE SOLUTIONS

DIAGRAM 14: CIRCUIT BREAKER

Model numbers **UT240-312**, **UT240-410**, **UT240-450**, **UT240-510**, and **UT240-550** include a 15A circuit breaker. The circuit breaker is located in the same location for each model. The **UT240-312** is shown here.



UNDER TABLE SOLUTIONS

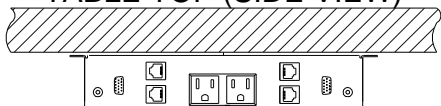
INSTALLING YOUR UT-SERIES

6

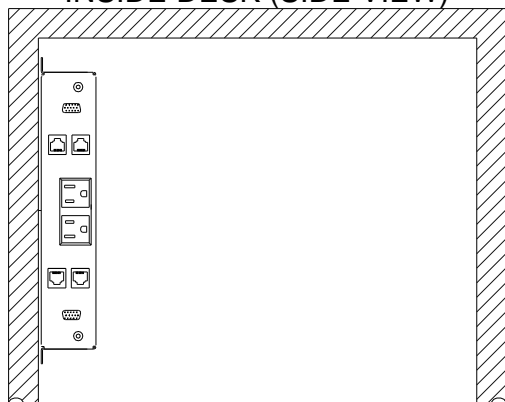
INSTALLATION OPTIONS

The UT Series can be installed horizontally or vertically as shown. Typically, units are installed under a table-top, but in some cases, it may be desirable to install a unit inside a desk opening, or on the back of a desk or podium.

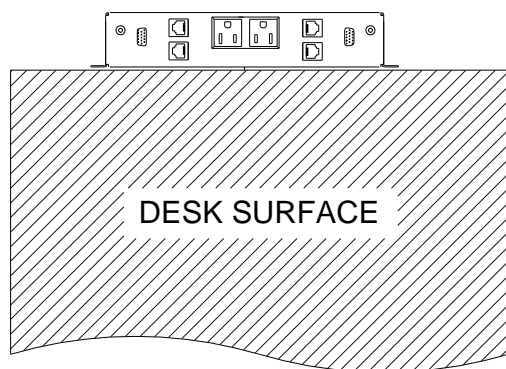
TABLE TOP (SIDE VIEW)



INSIDE DESK (SIDE VIEW)



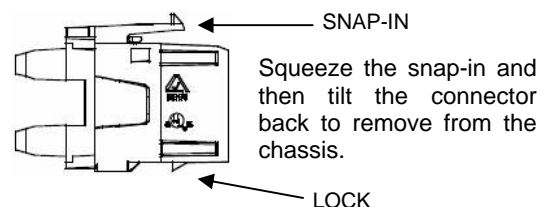
BACK OF DESK/PODIUM (TOP VIEW)



BASIC INSTALLATION

- Step 1.** Locate the best position for the UT-Series Interconnect, but do NOT mount it to the surface until all the cables are prepared.
- Step 2.** Prepare the mating cables using high-quality cables for best results and durability. Make sure the cables are long enough to allow for a service-loop and so the cables can be neatly routed beneath the table to their destinations.
- Step 3.** Prepare the network cables using the CAT-6 (RJ-45) connectors provided with the unit.* The connectors are high-quality snap-in connectors and do not require any tools for installing them into the UT interconnect.

The connectors are provided with the unit but do not include cables. ALTINEX recommends a telecommunications contractor wire the network connectors and verify proper operation before connecting them to the UT interconnect.



- Step 4.** Secure the unit under the table using the metal screws provided with the unit.
- Step 5.** Make any necessary connections to the snap-in connectors.
- Step 6.** Use cable-ties to secure the cables to the mounting shelf. Insert the ties through the holes on the bottom of the unit.
- Step 7.** Use the cable clamps provided to secure the cables to the bottom of the table/desk.

* Please visit our website: www.altinex.com for information related to the pin out of the cables.

UNDER TABLE SOLUTIONS

OPERATION 7

The **UT-SERIES** requires no adjustments for performance. Once set-up, the **UT-SERIES** will work trouble-free without user intervention.

7.1 CIRCUIT BREAKER RESET

The **UT240-312**, **UT240-410**, **UT240-450**, **UT240-510**, and **UT240-550** include a push-to-reset 15A circuit breaker. The circuit breaker is accessible from the left-hand side of the unit as viewed from the front. In the event the circuit breaker is tripped, do the following:

- Disconnect all AC devices from the UT240
- Turn off the power switch of each AC device
- Push the circuit breaker reset button back in
- Reconnect the AC devices
- One at a time, turn on the AC devices

WARNING

If the circuit breaker trips again, find the device that is drawing excessive current. Check the ratings for each of the devices connected to the UT240. If a device requires a significant amount of power, it should be plugged into its own supply circuit.

TROUBLESHOOTING GUIDE 8

We have carefully tested and found no problems in the supplied **UT-SERIES**; however, if you experience any problems or have questions, call ALTINEX at (714) 990-2300.

ALTINEX POLICIES 9

9.1 LIMITED WARRANTY/RETURN POLICIES

Please see the ALTINEX website at www.altinex.com for details on warranty and return policies.

9.2 CONTACT INFORMATION

ALTINEX, Inc.

592 Apollo Street

Brea, CA 92821 USA

TEL: 714 990-2300

TOLL FREE: 1-800-ALTINEX

WEB: www.altinex.com

E-MAIL: solutions@altinex.com